State of Utah

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DOUGLAS RICHINS
Division Director

September 24, 2004

***** ADDENDUM *** ADDENDUM *** ADDENDUM ***ADDENDUM*****

SOLICITATION: **PM5034**
DUE DATE: **10/12/2004**
TIME: **2:00 P.M.**

DESCRIPTION: SUPPLY MATERIALS, LABOR, AND EQUIPMENT TO CONSTRUCT A TELECOMMUNICATIONS BUILDING WITH GENERATOR

ADDENDUM #1

The following are changes to be added to the specifications/requirements for this proposal:

1. New revised specifications are attached.

2. This is a pre-fabricated building to be delivered to Webb Hill. Webb Hill is located 3 miles south of St. George, Utah.

3. The due date and time has been extended to October 12, 2004 at 2:00 p.m.

4. With RFP process questions contact Paul Mash at 801-538-3138.

************************END OF ADDENDUM************************

To acknowledge receipt of addendum, include a copy of this addendum with the proposal submittal or give written acknowledgment with the proposal. It shall be the responsibility of the respondent to appropriately disseminate this information to all concerned prior to the assigned due date and time.

_____	_____
Name	Company
_____	_____
Signature	Date

3150 State Office Building - Capitol Hill - Salt Lake City, Utah 84114-1061
Phone: (801) 538-3026 - Fax: (801) 538-3882 - www.purchasing.utah.gov

PREFABRICATED COMMUNICATIONS BUILDING

BUILDING CONSTRUCTION ENGINEERING

1. SIZE
The shelter shall be 12' wide O.D. x 30' long OD. x 9' high I.D.

2. DESIGN
The minimum **R Values** in the floor, walls, and roof shall be R-1 l in the walls & floor. R- 19
in the roof.

3. FLOOR LOADING
The minimum floor loading shall be **200 pounds** per square foot for typical 12' wide shelter.

4. ROOF LOADING
The minimum roof loading shall be **150 pounds** per square foot for typical 12' wide shelter.

5. ROOF IMPACT RESISTAVCE
The minimum roof impact resistance shall be **220 pounds** with no visible damage to either the exterior or interior of the roof or shelter.

6. WALL WIND LOAD
The minimum wall wind load shall be **150 MPH.**

7. AIR INFILTMTION
There shall be **no air infiltration** of the shelter when measured before installation of any through-the-wall, floor, or roof items when exposed to winds of 50 mph.

BUILDING CONSTRUCTION DETAIL

I. **SKID ASSEMBLY**
The skid assembly for the shelter shall have *6"* x 9 lb. beams around the perimeter with a third beam in the middle. 3%" O.D. pipes will run through the beams, welded into place. *2"* x *2"* x ¼" angles shall be placed between the beams every 4' O.C. The complete skid assembly shall be constructed of galvanized steel and secured to the finished sub-floor with high strength 3"lag bolts.

2. FLOOR ASSEMBLY
The floor system shall be comprised of 1 layer of ¾” CDX plywood and 1 layer of ¾" tongue and groove plywood with 3½" of R-1 1 fiberglass batt insulation.

The complete underside of the floor assembly shall be covered with a 16 mesh .011 wire mesh rodent shield before the floor assembly is attached to the skid assembly.

4. INTERIOR FLOOR FINISH
The interior surface of the shelter floor shall be covered with a commercial grade vinyl tile. The covering shall be held in place with commercial grade glue.

5. ROOF SYSTEM
The roof system shall be comprised of 1 layer of ¾" CDX plywood 3½" of R-19 fiberglass batt insulation.

6. EXTERIOR ROOF FINISH
The exterior of the roof shall be covered with a commercial grade 45 mil nylon reinforced rubber roofing material, or equivalent, and secured in place with commercial grade contact glue. A galvanized metal roof edge shall cover the perimeter of the roof. The roof shall be sloped to provide proper drainage.

7. INTERIOR WALL AND CEILING CONSTRUCTION
The interior walls and ceiling shall be a minimum of *5/8"* OSB (oriented strand board) with .030 fiberglass reinforced plastic laminated, or equivalent, to the interior side.

8. **EXTERIOR WALL CONSTRUCTION**
The exterior walls of the shelter shall be of natural stone aggregate.

9. WALL, ROOF, FLOOR INTERIOR CORES
The interior core of the walls, roof, and floor shall be filled with R- 11 & R- 19 fiberglass batt insulation.

10. SEAMS
At all points on the exterior of the shelter where two pieces of material come together, butt against each other, overlap each other, or are fastened one to the other, the seam shall be sealed with an industrial grade poly-urethane sealer during and after final assembly to insure water tight joints. A one piece aggregate angle shall be installed over each comer joint.

11. DOOR ASSEMBLY
The size of the door shall be 3’_x 7’ minimum clearance. The door shall be a commercial grade insulated steel door manufactured from a minimum of 24 gage steel. The door frame shall be a commercial grade heavy-duty steel door frame manufactured from a minimum of 16 gage steel. The door and frame shall be painted with high quality exterior grade paint, suitable for use on metal. The door hinges shall be heavy-duty stainless steel ball bearing hinges with non-removable pins capable of supporting the door over an extended time of frequent use. The door shall be equipped with a heavy duty commercial grade deadbolt lock. The door and frame assembly shall be equipped with all necessary weather-stripping and seals necessary to make an air tight assembly. The door shall be equipped with miscellaneous hardware, including a heavy-duty commercial

grade open door latch, passage set, chromed interior pull handle and all items necessary to make a complete assembly.

12. ELECTRICAL

All electrical wiring shall be in conduit and raceways. All conduit, raceways, fittings, and hardware shall be galvanized steel or rustproof metal. Conduit shall have reamed ends secured to boxes or raceways with compression type connectors. Bends shall be made so that conduit will not be injured or the internal diameter of the conduit reduced. Conduit kinked, crushed, or damaged will be rejected. All conduits shall be anchored in place at least every four feet. All conduit shall be exposed and attached to the inside surface of the shelter. All wire will be copper. All wire runs shall be continuous. The proposed shelter shall be equipped with the following electrical items:

1. 200 amp, 40 position distribution panel w/main breaker.
2. 8 - 2 tube, 4 foot fluorescent light fixtures w/switch.
3. 12 - 110v duplex receptacles.
4. 2 - 5 ton cool, 5 KW heat Bard wall mount conditioner w/master control thermostat.
5. 12 - 4" waveguide port (Microflect).
6. two runs of 12" cable ladder.
7. Halo Ground System w/Master Ground Bar per R-56 standards.
8. Heavy duty MOV surge arrestor.
9. Breakers to accommodate the above.
10. All wires, boxes, conduit, etc. to make a complete assembly.

13. FREIGHT

Bid will include freight to site, contingent upon site being readily accessible to semi-truck and trailer.

14. DRAWINGS

Three (3) sets of shelter drawings for approval shall be provided before construction and three (3) sets of "as built" drawings shall be provided with the shelter.

15. MISCELLANEOUS

Building foundation anchor bolts, hold-down clamps and foundation installation drawings shall be provided.